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## METHOD OF REGISTERING SURFACES USING CURVATURE

## ABSTRACT OF THE DISCLOSURE

- 5           A patient surface is registered with a model surface based on curvature by acquiring patient range data and determining the curvature of the patient surface based on the range data. The patient surface is generated and shaded based on the curvature. A model surface is generated from image data and processed to
- 10 determine the curvature of the model surface. The model surface is shaded to represent the curvature. The shaded patient surface and the shaded model surface are aligned in registration with each other by manipulating the patient surface and/or the model surface until the curvature features coincide.

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